

© EPODOC / EPO

PN - SU1149146 A 19850407
PD - 1985-04-07
PR - SU19823431929 19820427
OPD - 1982-04-27
TI - SINGLE-CHANNEL OPTICAL GAS ANALYZER
IN - DREMLYUGA VASILIJ YA (SU); MIKITCHENKO VLADIMIR F (SU);
GOLOVCHENKO PETR F (SU); DASHKOVSKIJ ALEKSANDR A
(SU); SHAPOVALENKO VALENTIN I (SU)
PA - KI N PROIZV OB ANALITPRIBOR (SU)

© WPI / DERWENT

TI - Single channel optical gas analyser - has signal amplitude and
phase balancing device comprising phase regulator, phase inverter
and amplitude regulator
PR - SU19823431929 19820427
PN - SU1149146 A 19850407 DW198541 004pp
PA - (KIAN-R) KIEV ANALITPRIBOR
IC - G01N21/61
IN - DREMLYUGA V Y A; GOLOVICHEN P F; MIKITCHENK V F
AB - SU1149146 Analyser additionally has waveguide located at the
output of measuring vessel which houses the second irradiator with
a reflector. The signal phase and amplitude balancing device input
is fed by modulation oscillator and the output goes to the second
irradiator.
- The irradiation from irradiator (2) after reflection from irradiator (1)
is directed via measuring vessel (3) waveguide (4) light filter (7) and
focussing cone (8) on to the light receiver (9). The band filter (7)
detects a band from the central frequency corresp. to the
absorption line of the analysed gas.
- USE/ADVANTAGE - Metallurgy, chemistry and other industries for
media preservation e.g. environmental. Measurement accuracy is
improved as well as stability, giving reduction in level of errors.
Bul.13/7.4.85. (4pp Dwg.No.1/1)
OPD - 1982-04-27
AN - 1985-255308 [41]